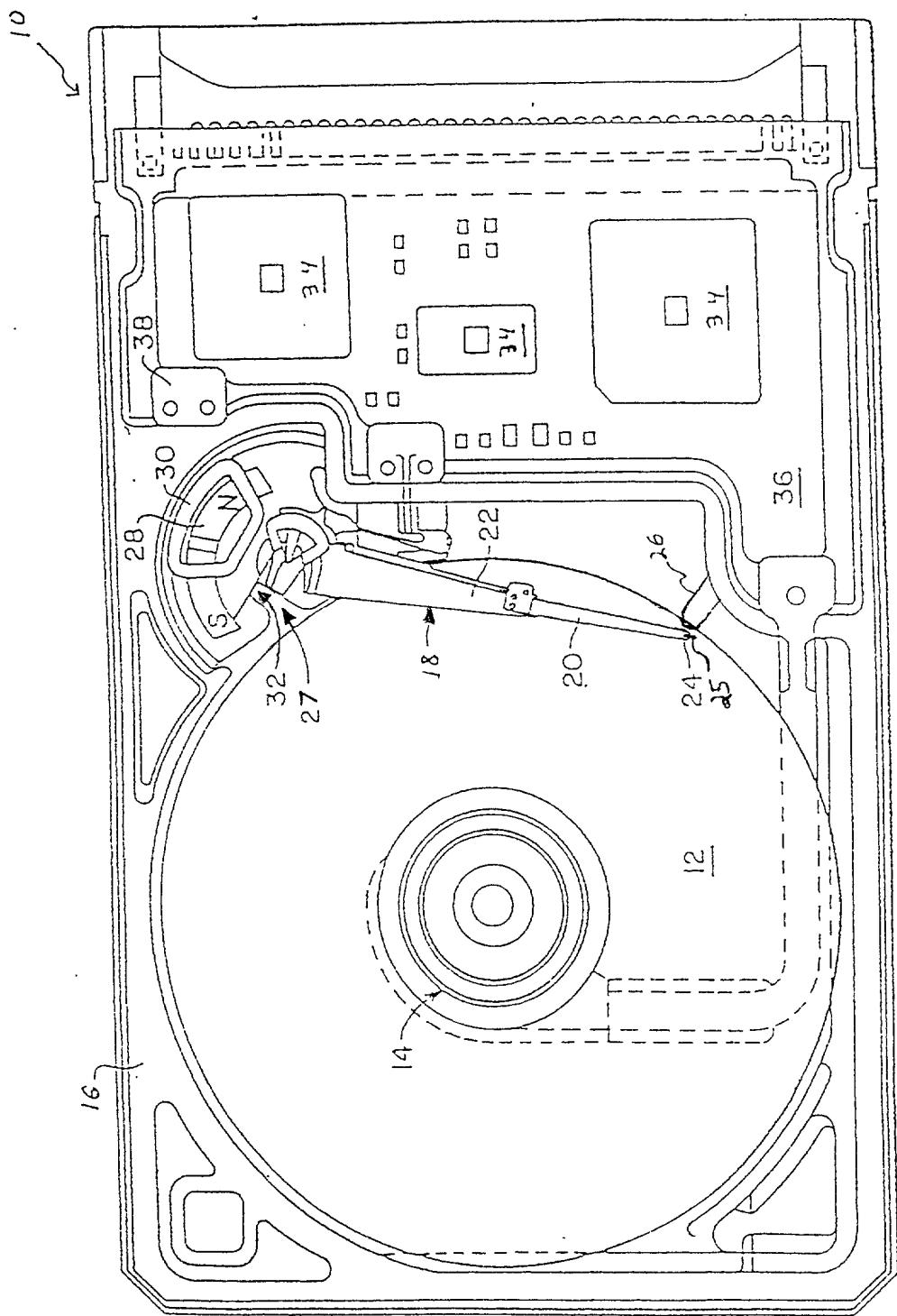


Fig. 1 (Prior Art)



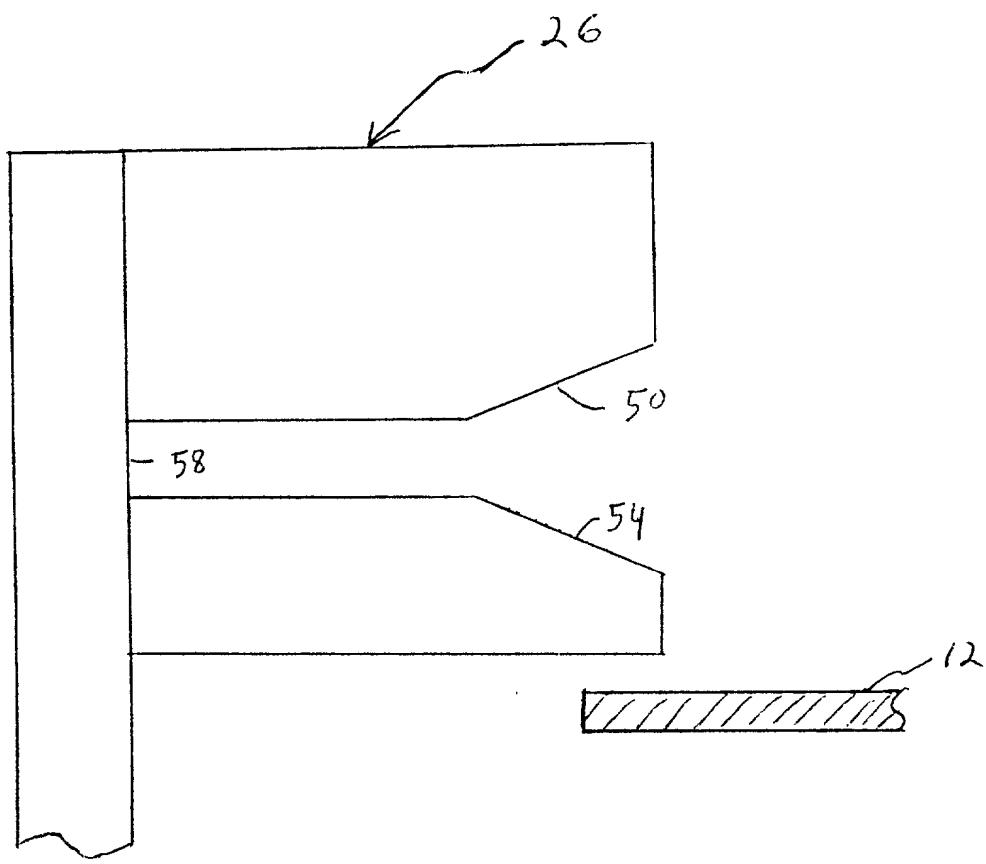


Fig. 2 (Prior Art)

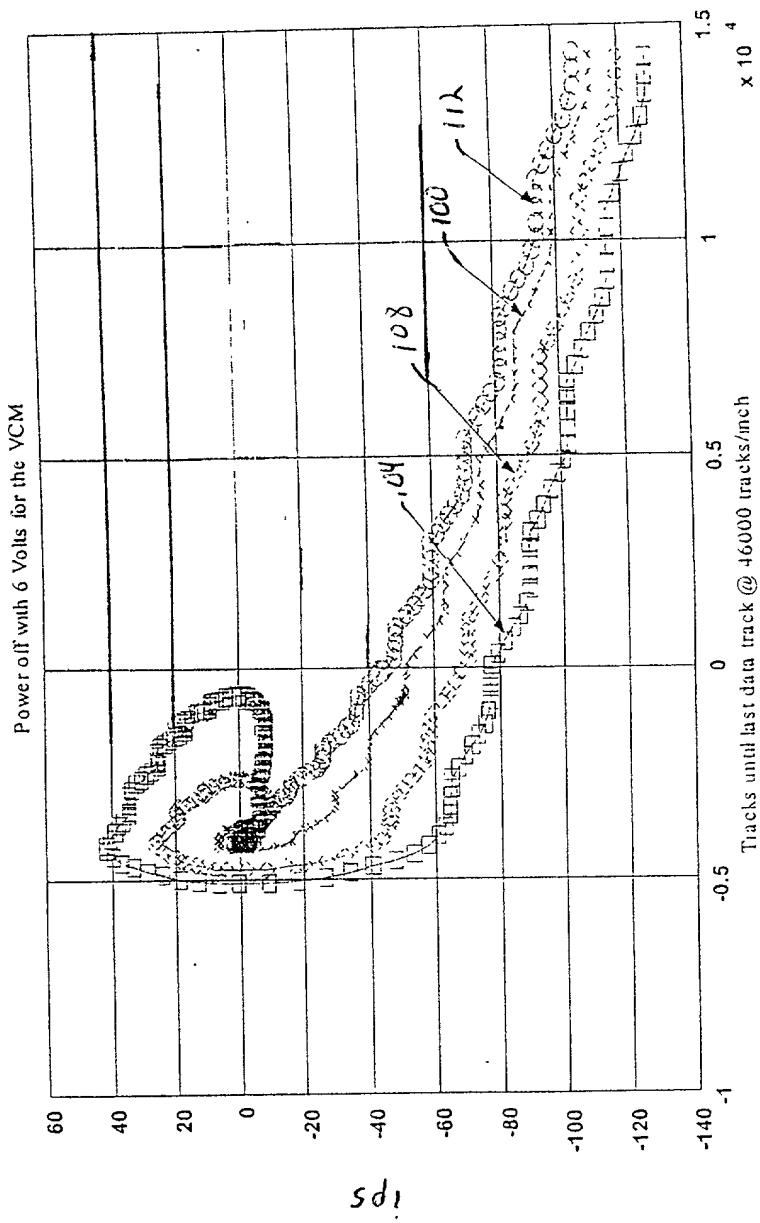


Fig. 3

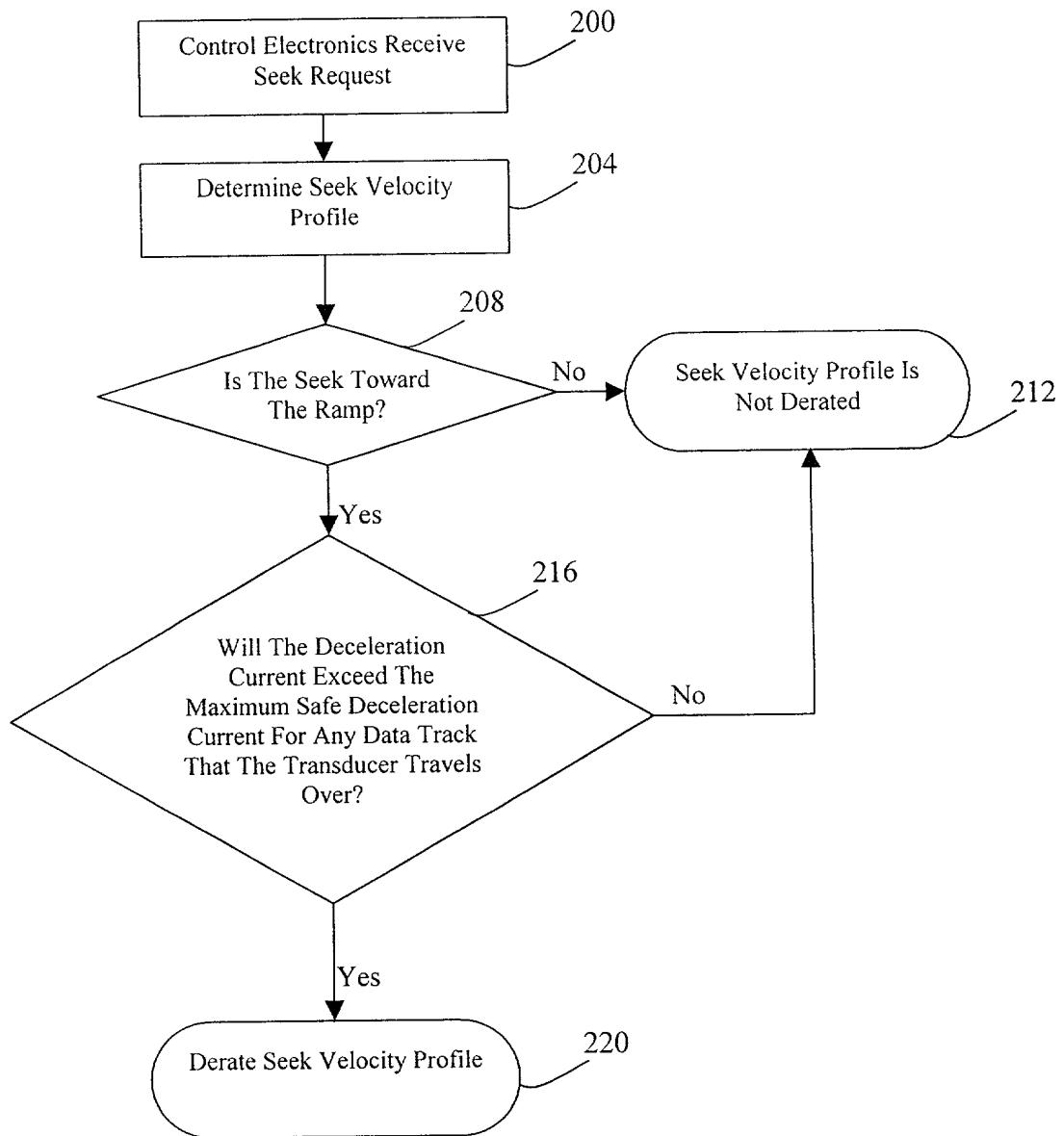


Fig. 4

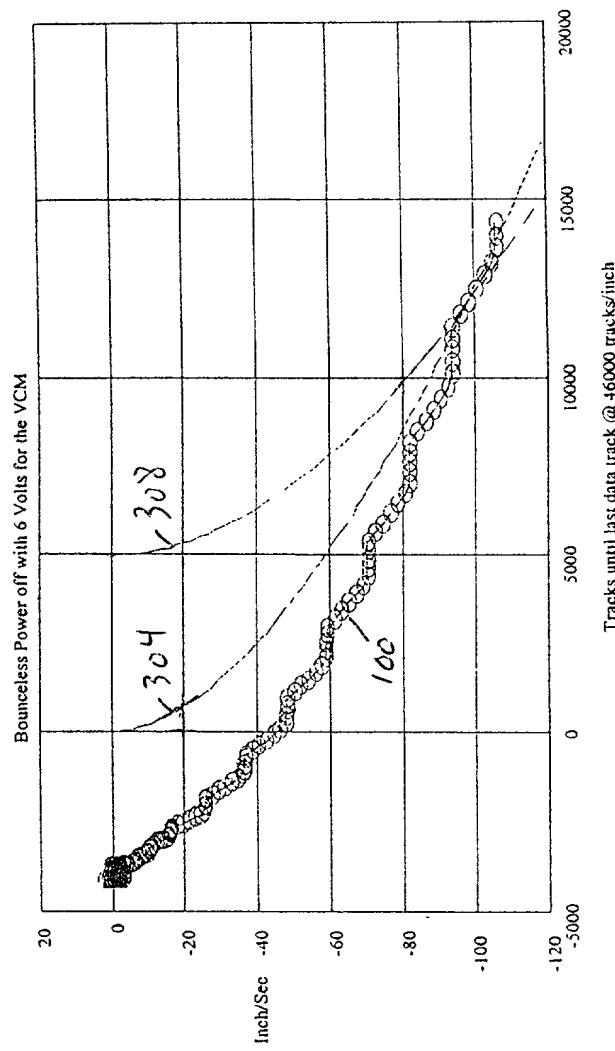


Fig 5

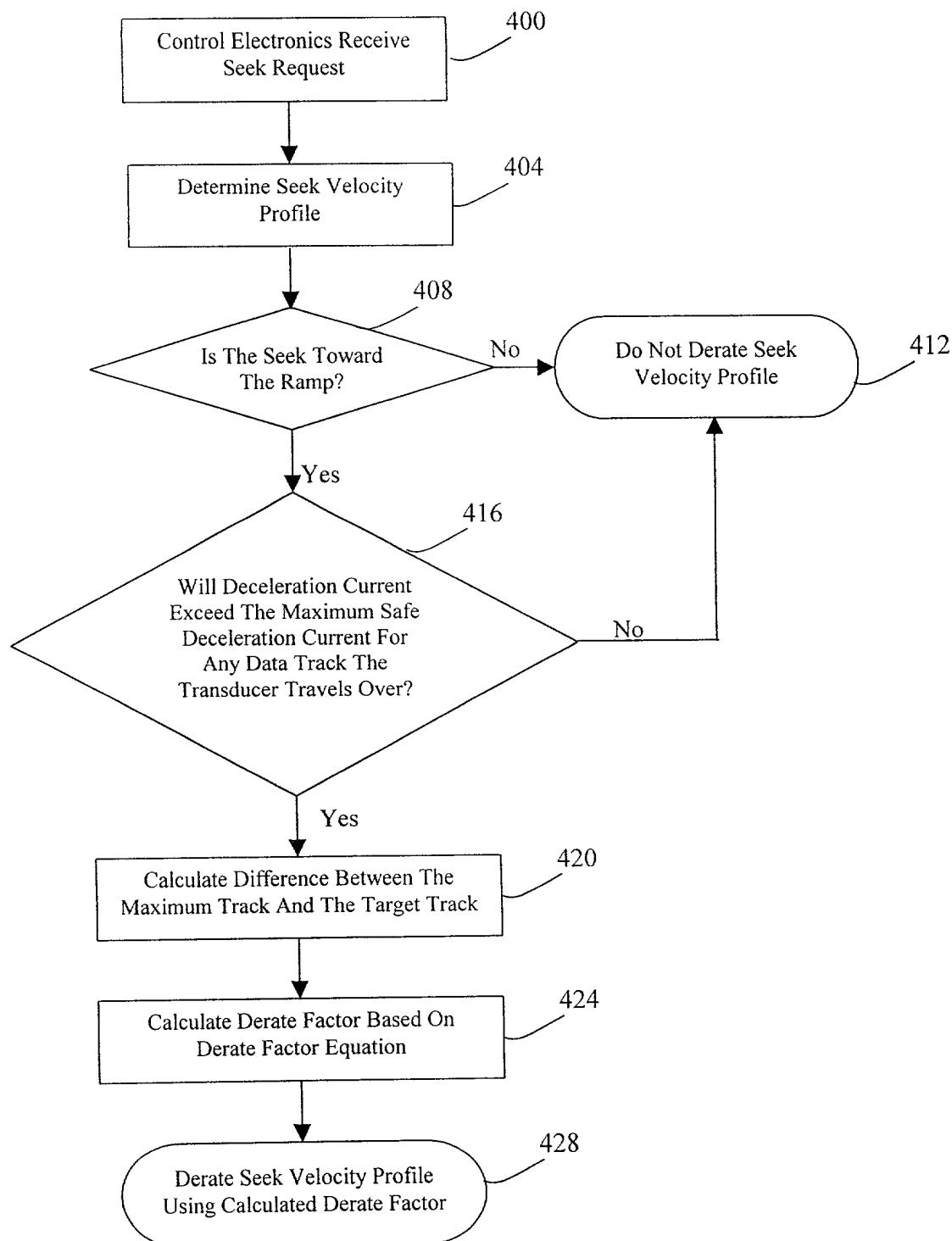


Fig. 6

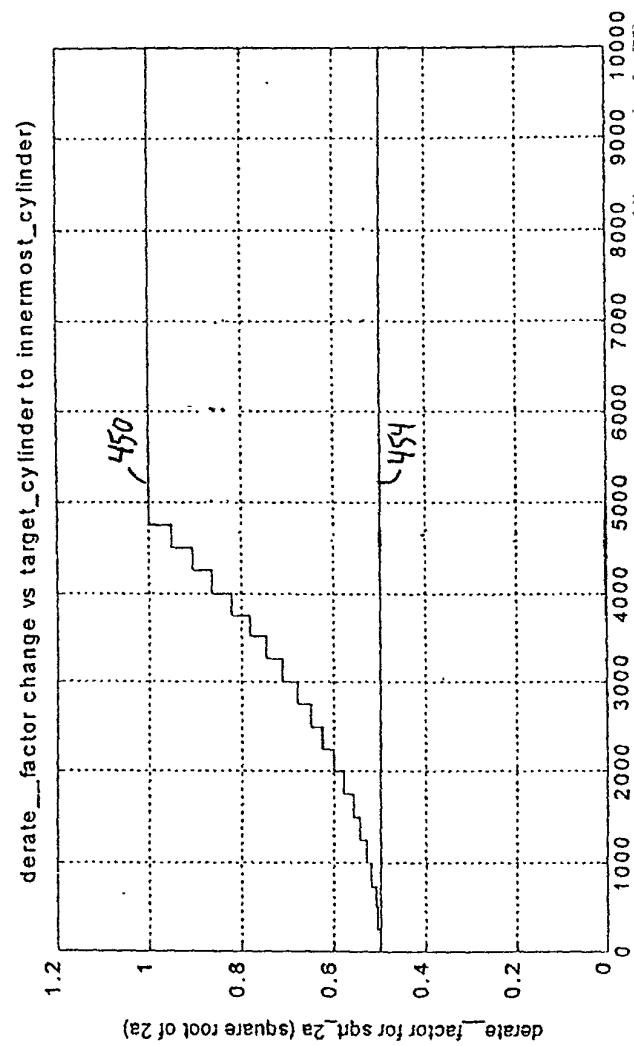


Fig 7

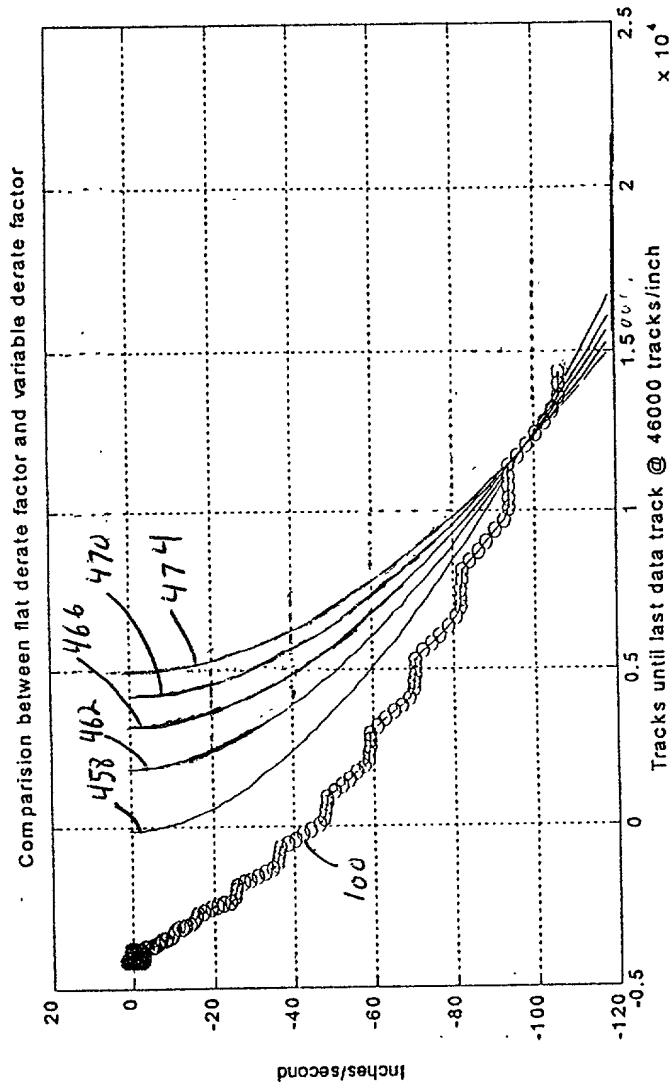


Fig. 8

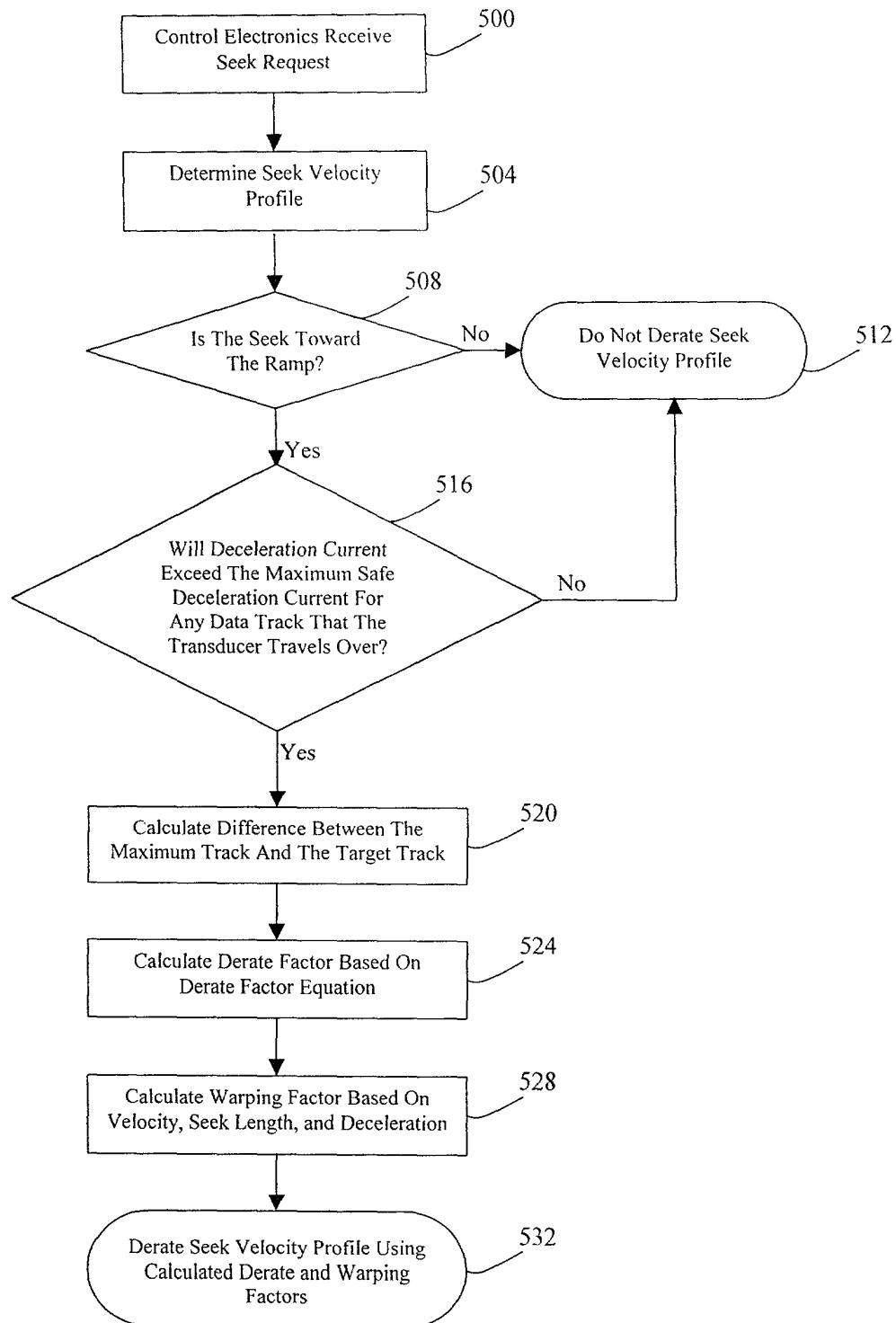


Fig. 9

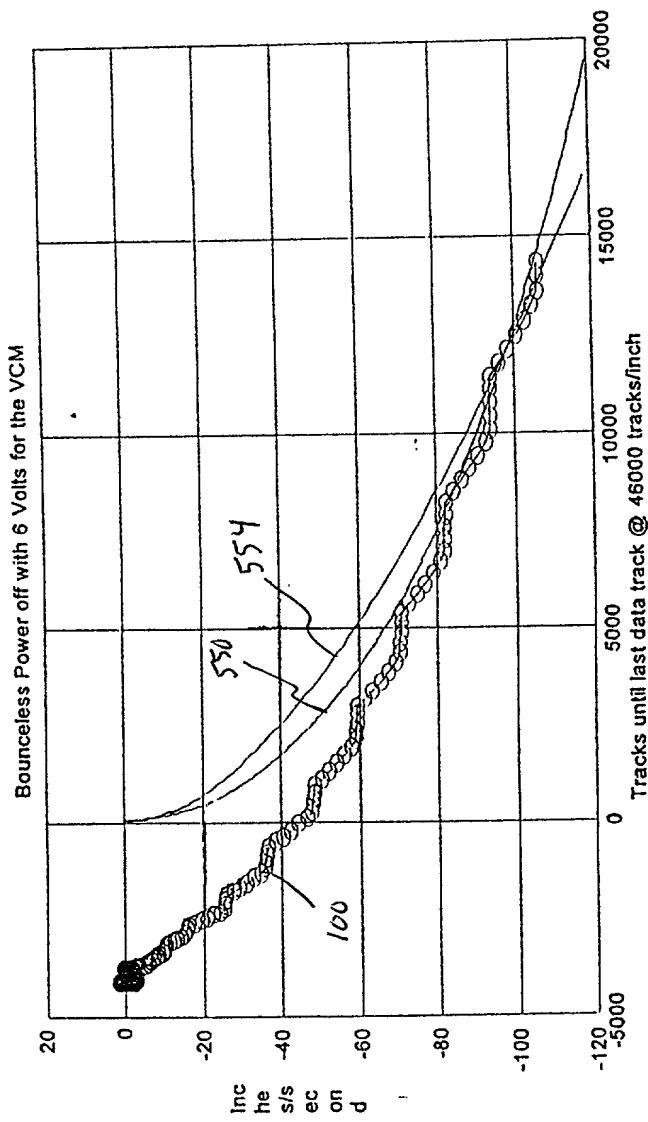


Fig. 10

Seek Time Comparison between with and without Warping

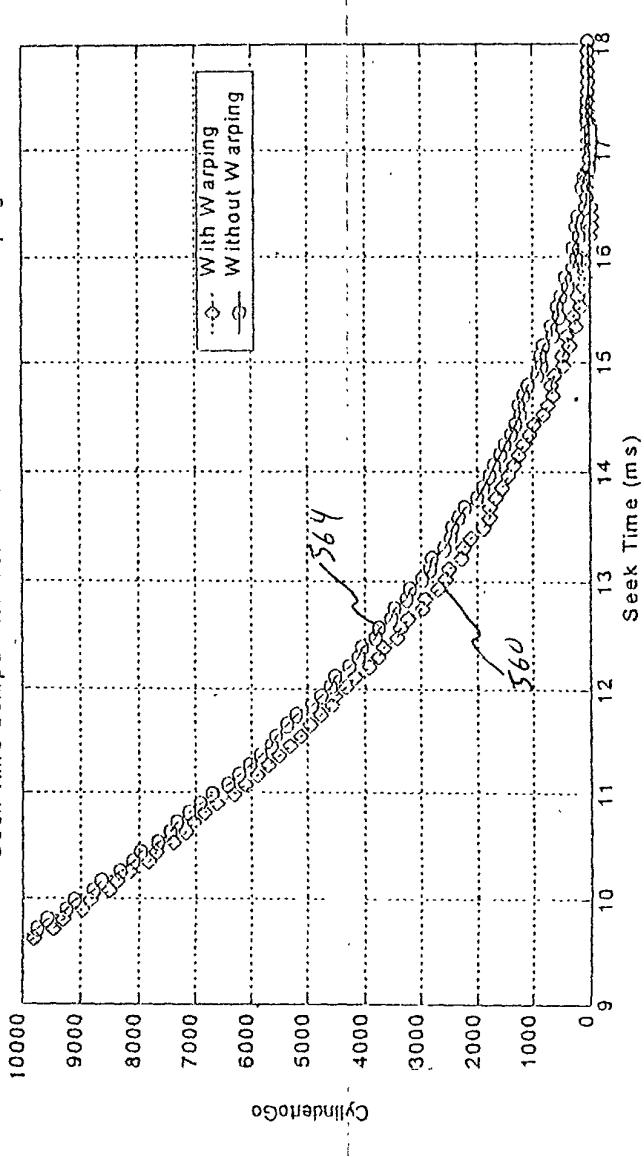


Fig. 11